

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/527,950  
Source: PCT  
Date Processed by STIC: 3-25-05

***ENTERED***



PCT

**RAW SEQUENCE LISTING**  
 PATENT APPLICATION: **US/10/527,950**

DATE: 03/25/2005  
 TIME: 09:06:43

Input Set : **A:\2826100003seqlst.txt**  
 Output Set: **N:\CRF4\03252005\J527950.raw**

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4 <110> APPLICANT: Helicon Therapeutics, Inc.
5   Tully, Timothy P.
6   Scott, Roderick E.M.
7   Bourtchouladze, Rusiko
9 <120> TITLE OF INVENTION: SCREENING METHODS FOR COGNITIVE
10  ENHANCERS
12 <130> FILE REFERENCE: 2826.1000-003
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/527,950
C--> 15 <141> CURRENT FILING DATE: 2005-03-15
17 <150> PRIOR APPLICATION NUMBER: US 60/404,620
18 <151> PRIOR FILING DATE: 2002-08-19
20 <150> PRIOR APPLICATION NUMBER: US 60/406,405
21 <151> PRIOR FILING DATE: 2002-08-26
23 <160> NUMBER OF SEQ ID NOS: 48
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27 <210> SEQ ID NO: 1
28 <211> LENGTH: 18
29 <212> TYPE: DNA
30 <213> ORGANISM: Artificial Sequence
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33 <223> OTHER INFORMATION: LNA oligonucleotide
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38 <210> SEQ ID NO: 2
39 <211> LENGTH: 18
40 <212> TYPE: DNA
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43 <220> FEATURE:
44 <223> OTHER INFORMATION: LNA oligonucleotide
46 <400> SEQUENCE: 2
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49 <210> SEQ ID NO: 3
50 <211> LENGTH: 20
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: LNA oligonucleotide
57 <400> SEQUENCE: 3
58 tggtcattta gttaccggtg
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 18
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence

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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/527,950

DATE: 03/25/2005

TIME: 09:06:43

Input Set : A:\28261000003seqlst.txt  
Output Set: N:\CRF4\03252005\J527950.raw

65 <220> FEATURE:  
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68 <400> SEQUENCE: 4  
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72 <211> LENGTH: 18  
73 <212> TYPE: DNA  
74 <213> ORGANISM: Artificial Sequence  
76 <220> FEATURE:  
77 <223> OTHER INFORMATION: LNA oligonucleotide  
79 <400> SEQUENCE: 5  
80 ttttcagctt ctgttaca 18  
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83 <211> LENGTH: 18  
84 <212> TYPE: DNA  
85 <213> ORGANISM: Artificial Sequence  
87 <220> FEATURE:  
88 <223> OTHER INFORMATION: LNA oligonucleotide  
90 <400> SEQUENCE: 6  
91 ctgggcttga actgtcat 18  
93 <210> SEQ ID NO: 7  
94 <211> LENGTH: 18  
95 <212> TYPE: DNA  
96 <213> ORGANISM: Artificial Sequence  
98 <220> FEATURE:  
99 <223> OTHER INFORMATION: LNA oligonucleotide  
101 <400> SEQUENCE: 7  
102 gctaatgtgg caatctgt 18  
104 <210> SEQ ID NO: 8  
105 <211> LENGTH: 18  
106 <212> TYPE: DNA  
107 <213> ORGANISM: Artificial Sequence  
109 <220> FEATURE:  
110 <223> OTHER INFORMATION: LNA oligonucleotide  
112 <400> SEQUENCE: 8  
113 tgctggcatg gatacctg 18  
115 <210> SEQ ID NO: 9  
116 <211> LENGTH: 18  
117 <212> TYPE: DNA  
118 <213> ORGANISM: Artificial Sequence  
120 <220> FEATURE:  
121 <223> OTHER INFORMATION: LNA oligonucleotide  
123 <400> SEQUENCE: 9  
124 gcagatgtatg ttgcatga 18  
126 <210> SEQ ID NO: 10  
127 <211> LENGTH: 18  
128 <212> TYPE: DNA  
129 <213> ORGANISM: Artificial Sequence  
131 <220> FEATURE:

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/527,950

DATE: 03/25/2005  
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Input Set : A:\28261000003seq1st.txt  
Output Set: N:\CRF4\03252005\J527950.raw

132 <223> OTHER INFORMATION: LNA oligonucleotide  
134 <400> SEQUENCE: 10  
135 tgtctgccca ttggcag 18  
137 <210> SEQ ID NO: 11  
138 <211> LENGTH: 19  
139 <212> TYPE: DNA  
140 <213> ORGANISM: Artificial Sequence  
142 <220> FEATURE:  
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145 <400> SEQUENCE: 11  
146 gggccgcctg gataacgcc 19  
148 <210> SEQ ID NO: 12  
149 <211> LENGTH: 18  
150 <212> TYPE: DNA  
151 <213> ORGANISM: Artificial Sequence  
153 <220> FEATURE:  
154 <223> OTHER INFORMATION: LNA oligonucleotide  
156 <400> SEQUENCE: 12  
157 ttcactttct gcaatagt 18  
159 <210> SEQ ID NO: 13  
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161 <212> TYPE: DNA  
162 <213> ORGANISM: Artificial Sequence  
164 <220> FEATURE:  
165 <223> OTHER INFORMATION: LNA oligonucleotide  
167 <400> SEQUENCE: 13  
168 tccacagact cctgtgaa 18  
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176 <223> OTHER INFORMATION: LNA oligonucleotide  
178 <400> SEQUENCE: 14  
179 aaaggatttc cttcggt 18  
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184 <213> ORGANISM: Artificial Sequence  
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197 <220> FEATURE:  
198 <223> OTHER INFORMATION: LNA oligonucleotide

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/527,950

DATE: 03/25/2005  
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Input Set : A:\28261000003seqlst.txt  
Output Set: N:\CRF4\03252005\J527950.raw

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206 <213> ORGANISM: Artificial Sequence  
208 <220> FEATURE:  
209 <223> OTHER INFORMATION: LNA oligonucleotide  
211 <400> SEQUENCE: 17  
212 tggcactgtt acagtgg 18  
214 <210> SEQ ID NO: 18  
215 <211> LENGTH: 18  
216 <212> TYPE: DNA  
217 <213> ORGANISM: Artificial Sequence  
219 <220> FEATURE:  
220 <223> OTHER INFORMATION: LNA oligonucleotide  
222 <400> SEQUENCE: 18  
223 ctgcccactg ctatgttg 18  
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226 <211> LENGTH: 18  
227 <212> TYPE: DNA  
228 <213> ORGANISM: Artificial Sequence  
230 <220> FEATURE:  
231 <223> OTHER INFORMATION: LNA oligonucleotide  
233 <400> SEQUENCE: 19  
234 gctcctccgt cactgctt 18  
236 <210> SEQ ID NO: 20  
237 <211> LENGTH: 18  
238 <212> TYPE: DNA  
239 <213> ORGANISM: Artificial Sequence  
241 <220> FEATURE:  
242 <223> OTHER INFORMATION: LNA oligonucleotide  
244 <400> SEQUENCE: 20  
245 tgcactaagg ttacagtg 18  
247 <210> SEQ ID NO: 21  
248 <211> LENGTH: 42  
249 <212> TYPE: DNA  
250 <213> ORGANISM: Artificial Sequence  
252 <220> FEATURE:  
253 <223> OTHER INFORMATION: oligonucleotide probe  
255 <400> SEQUENCE: 21  
256 ggatttccct tcgttttgg gttttctct tggaaagaaa gt 42  
258 <210> SEQ ID NO: 22  
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260 <212> TYPE: DNA  
261 <213> ORGANISM: Artificial Sequence  
263 <220> FEATURE:  
264 <223> OTHER INFORMATION: oligonucleotide probe  
266 <400> SEQUENCE: 22

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/527,950

DATE: 03/25/2005  
TIME: 09:06:43

Input Set : A:\28261000003seqlst.txt  
Output Set: N:\CRF4\03252005\J527950.raw

267 caatccttgg cacccttggg ttttctctt ggaaagaaag t 41  
 269 <210> SEQ ID NO: 23  
 270 <211> LENGTH: 47  
 271 <212> TYPE: DNA  
 272 <213> ORGANISM: Artificial Sequence  
 274 <220> FEATURE:  
 275 <223> OTHER INFORMATION: oligonucleotide probe  
 277 <400> SEQUENCE: 23  
 278 agtctccctct tctgactttt cttcttttt tctcttggaa agaaagt 47  
 280 <210> SEQ ID NO: 24  
 281 <211> LENGTH: 40  
 282 <212> TYPE: DNA  
 283 <213> ORGANISM: Artificial Sequence  
 285 <220> FEATURE:  
 286 <223> OTHER INFORMATION: oligonucleotide probe  
 288 <400> SEQUENCE: 24  
 289 tcctccctgg gtaatggcat ttttctcttg gaaagaaaagt 40  
 291 <210> SEQ ID NO: 25  
 292 <211> LENGTH: 44  
 293 <212> TYPE: DNA  
 294 <213> ORGANISM: Artificial Sequence  
 296 <220> FEATURE:  
 297 <223> OTHER INFORMATION: oligonucleotide probe  
 299 <400> SEQUENCE: 25  
 300 ccattgttag ccagctgtat tgcttttctt cttggaaaga aayi 44  
 302 <210> SEQ ID NO: 26  
 303 <211> LENGTH: 39  
 304 <212> TYPE: DNA  
 305 <213> ORGANISM: Artificial Sequence  
 307 <220> FEATURE:  
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 310 <400> SEQUENCE: 26  
 311 cccggctgagt ggcagctgtt tttctcttgg aaagaaaagt 39  
 314 <210> SEQ ID NO: 27  
 315 <211> LENGTH: 40  
 316 <212> TYPE: DNA  
 317 <213> ORGANISM: Artificial Sequence  
 319 <220> FEATURE:  
 320 <223> OTHER INFORMATION: oligonucleotide probe  
 322 <400> SEQUENCE: 27  
 323 gcctgaggca gcttgaacat ttttctcttg gaaagaaaagt 40  
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 330 <220> FEATURE:  
 331 <223> OTHER INFORMATION: oligonucleotide probe  
 333 <400> SEQUENCE: 28  
 334 tgctgcttct tcagcaggct ttttctctt ggaaagaaag t 41

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/527,950

DATE: 03/25/2005

TIME: 09:06:44

Input Set : A:\28261000003seqlst.txt  
Output Set: N:\CRF4\03252005\J527950.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number  
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date